

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 14620-027W01	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 03/33207	International filing date (day/month/year) 20/10/2003	(Earliest) Priority Date (day/month/year) 18/10/2002
Applicant PHARMA MAR, S.A.U.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

4-METHYLHEXANOIC KAHALAIDE F COMPOUND

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/33207

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07K7/64 A61K38/15 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03 033012 A (LOPEZ LAZARO LUIS ; TRIGO JOSE MANUEL (ES); JIMENO JOSE (ES); PAZ-A) 24 April 2003 (2003-04-24) cited in the application page 9, paragraph 3 ---	1-13
A	WO 02 36145 A (PHARMA MAR SA ; RUFFLES GRAHAM KEITH (GB); NUYEN BASTIAN (NL); WEIT) 10 May 2002 (2002-05-10) cited in the application the whole document ---	1-13
A	US 6 011 010 A (GRAVALOS DOLORES G ET AL) 4 January 2000 (2000-01-04) the whole document --- -/--	1-13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

3 March 2004

Date of mailing of the international search report

19/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Didelon, F

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 610 078 A (PHARMA MAR SA) 10 August 1994 (1994-08-10) cited in the application the whole document ---	1-13
A	BROWN A P ET AL: "Preclinical toxicity studies of kahalalide F, a new anticancer agent: single and multiple dosing regimens in the rat" CANCER CHEMOTHERAPY AND PHARMACOLOGY, SPRINGER VERLAG, BERLIN, DE, vol. 50, no. 4, October 2002 (2002-10), pages 333-340, XP002225750 ISSN: 0344-5704 the whole document ---	1-13
A	NUIJEN B ET AL: "Development of a lyophilized parenteral pharmaceutical formulation of the investigational polypeptide marine anticancer agent kahalalide F" MEDLINE, XP002206588 the whole document -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/33207

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03033012	A	24-04-2003	AU 1074902 A	15-05-2002
			BR 0114912 A	14-10-2003
			CA 2425627 A1	10-05-2002
			EP 1330258 A2	30-07-2003
			WO 03033012 A1	24-04-2003
			NO 20031860 A	30-06-2003
			SK 5022003 A3	02-12-2003
			CZ 20031211 A3	17-09-2003
			WO 0236145 A2	10-05-2002
WO 0236145	A	10-05-2002	AU 1074902 A	15-05-2002
			BR 0114912 A	14-10-2003
			CA 2425627 A1	10-05-2002
			CZ 20031211 A3	17-09-2003
			EP 1330258 A2	30-07-2003
			WO 0236145 A2	10-05-2002
			NO 20031860 A	30-06-2003
			SK 5022003 A3	02-12-2003
			WO 03033012 A1	24-04-2003
US 6011010	A	04-01-2000	US 6274551 B1	14-08-2001
EP 0610078	A	10-08-1994	AT 151776 T	15-05-1997
			AU 677258 B2	17-04-1997
			AU 5491194 A	11-08-1994
			CA 2114859 A1	04-08-1994
			DE 69402576 D1	22-05-1997
			DE 69402576 T2	02-10-1997
			DK 610078 T3	20-10-1997
			EP 0610078 A1	10-08-1994
			ES 2102772 T3	01-08-1997
			GR 3024028 T3	31-10-1997
			JP 3452628 B2	29-09-2003
			JP 7070185 A	14-03-1995
			ZA 9400748 A	29-09-1994